



Brochure STELLAGUARD PB200

Stellaguard PB200 is a versatile, widely used preservative for personal care formulations. Composed entirely of phenoxyethanol and has a broad, balanced spectrum of activity against bacteria, yeasts, mould and fungi. In use concentrations vary according to the formulation type and the other ingredients present.



PRESERVATIVE BOOSTER

STELLAGUARD PB200

QUALITY

In compliance with current cosmetics regulations.

INCI

Phenoxyethanol

CAS

122-99-6



PROPERTIES

MULTIPURPOSE INGREDIENT

- **Preservative** boosting effects
- **Active** against bacteria, yeasts, moulds and fungi

PRODUCT TARGETS

- Baby care (children under 3)
- Shampoo, Shower gel (Rinse-off)
- Creams, lotions (Leave-on)
- O/W emulsions
- W/O emulsions
- Wet wipes
- Hair, Eye, Lip and Oral care

MINIMUM INHIBITORY CONCENTRATION

Microorganism	MIC (%)
Bacteria (Gram-negative)	
Pseudomonas aeruginosa	0.4
Escherichia coli	0.4
Bacteria (Gram-positive)	
Staphylococcus aureus	0.5
MRSA	0.5
Yeasts	
Candida albicans	0.5
Candida famata	0.5
Moulds	
Aspergillus brasiliensis	0.5

COMPLIANCE

EUROPE, USA, CANADA, KOREA, JAPAN,
AUSTRALIA, CHINA, ASEAN, TAIWAN

TECHNICAL SPECIFICATIONS

Specifications	
Appearance	Clear
Purity (%)	99.0 -100.5
Water content (%)	< 0.1
Colour (Hazen)	< 10
Phenol content (ppm)	< 5
Ethylene oxide content	< 2
Specific gravity at 20°C (g/cm³)	1.105 - 1.110
Refractive index at 20°C	1.537 - 1.539

FORMULATION GUIDELINES

KEY DATA

In use Concentrations :

- Leave-on : 0.7 - 1.0 %
- Rinse-off : 0.7- 1.0 %

IDENTITY

- Aspect > Liquid
- Colour > Colourless
- Storage > Cool, well-ventilated place, above 10°C in closed packaging, protect from direct sunlight, sensitive to static discharges
- Smell > Faint, Characteristic

- Compatible with most personal care ingredients. In aqueous formulations heating to 40°C may be required in order to fully dissolve the preservative
- In use concentrations vary according to the formulation type and the other ingredients present

RECOMMENDED PROCESS

- pH (effective range) : 3 - 9
- Solubility (Water) : ~ 2.4%
- Solubility (Glycols) : Soluble
- Maximum Process Temperature : 80°C